

# Engineered Testing Solutions

Durham Lifting has over 100 years' expertise in delivering static and dynamic load testing of structures, components, parts and products.



# SOLUTIONS TO MEET YOUR REQUIREMENTS

Durham Lifting has over 100 years' expertise in delivering static and dynamic load testing of structures, components, parts and products.

We test a variety of products - from components designed to support a load of a few kilos to larger equipment designed to take thousands of tonnes. Testing can be carried out either in-house using our 2000Tonne test bed - the largest of its kind in the UK, or on-site using test weights, water bags and hydraulic systems.

Working closely  
with our clients  
we have been  
involved in some  
of the world's  
largest onshore  
and offshore  
lifting projects.

## ROPE TESTING

Rope samples can be tested to destruction up to 1140Te using our class 1 H2 test machine.

Modulus testing can also be carried out utilising our electronic read out equipment.

## ONSHORE AND OFFSHORE COMPONENTS

Durham Liftings' accredited engineers design and manufacture solutions to enable the testing of onshore and offshore components, including Chain Testing, Drop Testing, Frame Testing, Pulling Heads, Mooring Systems and Lifting Equipment.

## SPREADER/LIFTING BEAM AND LIFTING FRAME

Testing is undertaken in-line with your required sling angle, test procedure and lifting/rigging design.

## BOLLARD TESTING

Innovative solutions for safely testing the capability and strength of marine mooring bollards. Testing is carried out up to 1200 tonnes and to simulate the true test of an attached mooring line, bollards are elevated to an angle of 45 degrees.

## CALIBRATION

Offering an efficient, professional calibration and repair service of Load Reading Shackles, Compressive Load Cells and Load Links up to 1200Te.

## SHEAVE BLOCK OVER-HAUL, SERVICE AND REPAIR

Durham Liftings' qualified team provide a turn-key operation for crane hook blocks, including full strip, service, repair and proof load testing prior to painting and despatch.

## EXAMINATION AND INSPECTION

Durham Lifting offer a variety of preventative maintenance and thorough inspection programs for lifting and handling equipment (inc. cranes).

All inspections are completed in accordance with LOLER/POWER requirements and can be scheduled to meet your specific needs.

### CLASS 1 H2 TEST MACHINE SPECIFICATIONS:

#### ROPE SAMPLE TESTING

Sample Length (mtrs)	Stroke (mtrs)	Speed (mins/mtr)
13,280	1,050	Loads can be applied at: 17.5 mins/mtr 11.5 mins/mtr 8.5 mins/mtr
12,290	1,500	

#### BEAM AND COMPONENT TESTING

Bed Length (mtrs)	Stroke (mtrs)	Speed (mins/mtr)
15,080	1,050	Loads can be applied at: 17.5 mins/mtr 11.5 mins/mtr 8.5 mins/mtr
14,090	1,500	

**Durham  
Lifting**  
ESTABLISHED 1996

**Head Office - Teesside**  
Britannia Testhouse  
Romaldkirk Road, Middlesbrough TS2 1HB  
Ph: 01642 240 672 Fax: 01642 247 709  
email: info@durhamlifting.co.uk  
[www.durhamlifting.co.uk](http://www.durhamlifting.co.uk)

**Branch - County Durham**  
Unit D, Whinfield Drive  
Newton Aycliffe Industrial Estate, DL5 6AU  
Ph: 01325 318 844 Fax: 01325 318 844  
email: sales@durhamlifting.co.uk